GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: August 28, 2003, 18:21:02 ; Search time 40.1818 Seconds
(without alignments)
51.353 Million cell updates/sec

Title: US-09-743-225-10
Perfect score: 66
Sequence: 1 CATLRVYKGGGXA 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1107863 seqs, 158726573 residues

Total number of hits satisfying chosen parameters: 1107863

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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23: /SIDS1/gcgdata/geneseq/geneseqp-embl/AA2002.DAT:*
24: /SIDS1/gcgdata/geneseq/geneseqp-embl/AA2003.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	64	97.0	13	21	AAY69261	Monopeptide which
2	55	83.3	10	21	AAB17996	Membrane-transport
3	55	83.3	10	21	AAY69274	Peptide which inhi
4	55	83.3	10	23	ABB73367	Exemplary pharmaco
5	46	69.7	9	21	AAB17995	Membrane-transport
6	46	69.7	9	23	ABB73366	Exemplary pharmaco
7	38	57.6	112	22	AAU46530	Propionibacterium
8	38	57.6	266	21	AAG07912	Arabidopsis thalia
9	38	57.6	266	21	AAG43155	Arabidopsis thalia
10	38	57.6	283	21	AAG07911	Arabidopsis thalia
11	38	57.6	283	21	AAG43154	Arabidopsis thalia
12	38	57.6	333	21	AAG07910	Arabidopsis thalia
13	38	57.6	333	21	AAG43153	Arabidopsis thalia
14	37	56.1	55	22	ABG29513	Novel human diagno
15	37	56.1	206	24	ABU70842	Human adipocyte Se
16	37	56.1	896	22	AAU27329	Novel bone marrow
17	37	56.1	980	22	AAB93189	Human protein sequ
18	37	56.1	1104	24	ABU04701	Human expressed pr
19	37	56.1	1104	24	ABU04703	Human expressed pr
20	37	56.1	1104	24	ABU04704	Human expressed pr
21	37	56.1	1435	21	AAB42193	Human ORFX ORF1957
22	36	54.5	63	22	AAU64227	Propionibacterium
23	36	54.5	71	21	AAG61469	Arabidopsis thalia
24	36	54.5	79	21	AAG10797	Arabidopsis thalia
25	36	54.5	145	22	ABB70646	Drosophila melanog
26	36	54.5	148	23	ABB89407	Human polypeptide
27	36	54.5	166	23	ABU52004	Helicobacter pylor
28	36	54.5	343	21	AAY44577	Xylitol dehydrogen
29	36	54.5	367	22	ABB64888	Drosophila melanog
30	36	54.5	368	24	ABU00228	Human novel polype
31	36	54.5	376	22	ABG15410	Novel human diagno
32	36	54.5	398	24	ABP75958	Human secretory po
33	36	54.5	687	23	ABG61828	Prostate cancer-as
34	36	54.5	4529	23	AAU81016	Mouse alpha2 macro
35	36	54.5	4545	23	AAU74797	Mouse alpha 2 macr
36	35	53.0	14	20	AAY08376	Cysteine noose lib
37	35	53.0	23	23	ABB83842	Phosducin peptide
38	35	53.0	106	21	AAG20323	Arabidopsis thalia
39	35	53.0	106	21	AAG43230	Arabidopsis thalia
40	35	53.0	148	22	AAM00752	Human bone marrow
41	35	53.0	257	20	AAY36988	Protein involved i
42	35	53.0	259	20	AAM49018	Clonorchis sinensi
43	35	53.0	286	14	AAR39301	34 kDA crystal pro
44	35	53.0	340	14	AAR39300	40 kDA crystal pro
45	35	53.0	367	22	ABG19980	Novel human diagno

ALIGNMENTS

RESULT 1
AAY69261
ID AAY69261 standard; peptide; 13 AA.
XX
AC AAY69261;
XX
DT 30-MAY-2000 (first entry)
XX
DE Monopeptide which inhibits anti-beta-2-glycoprotein 1 antibodies.
XX
KW Anti-beta-2-glycoprotein 1 antibody; anti-B2GPI.antibody;
KW anti-phospholipid syndrome; anti-phospholipid antibody;
KW pregnancy complication; thrombosis; coagulation dysregulation.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Modified-site 12
FT /note= "FmocLys(Fmoc)-OH"
XX
PN WO200001729-A2.
XX
PD 13-JAN-2000.
XX
PF 06-JUL-1999; 99WO-IL00366.
XX
PR 07-JUL-1998; 98IL-0125262.
XX
PA (YEDA) YEDA RES & DEV CO LTD.
XX
PI Blank M, Cabilly S, Shoenfeld Y, Katchalski-Katzir E;
XX

DR WPI; 2000-182105/16.
XX
PT Novel synthetic peptides that inhibit anti-beta-2-glycoprotein 1
PT antibodies, useful for diagnosis and treatment of anti-phospholipid
PT syndrome in humans -
XX
PS Disclosure; Page 13; 58pp; English.
XX
CC The present sequence represents a synthetic peptide which is capable
CC of inhibiting the biological activity of anti-beta-2-glycoprotein 1
CC (B2GPI) monoclonal antibodies in vitro and of inhibiting in vivo
CC induction of experimental anti-phospholipid syndrome in mice by
CC anti-B2GPI monoclonal antibodies. The peptides are used for diagnosis
CC and treatment of anti-phospholipid syndrome. They may also be used
CC for the diagnosis of anti-phospholipid antibodies with different
CC pathogenic biofunctions which may correlate with either pregnancy
CC complications, thrombosis or coagulation dysregulation.
XX
SQ Sequence 13 AA;

Query Match 97.0%; Score 64; DB 21; Length 13;
Best Local Similarity 100.0%; Pred. No. 0.00019;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATLRVYKGGGXA 13
||||||||||||
Db 1 CATLRVYKGGGXA 13

RESULT 2
AAB17996
ID AAB17996 standard; Peptide; 10 AA.
XX
AC AAB17996;
XX
DT 31-OCT-2000 (first entry)
XX
DE Membrane-transporting peptide sequence SEQ ID NO:1108.
XX
KW Modified peptide; therapeutic agent; fusion; Fc domain; cancer;
KW autoimmune disease; cytostatic; antiasthmatic; thrombolytic; VEGF;
KW immunosuppressive; EPO; TPO; CTLA4; mimetic; IL-1; TNF; antagonist;
KW MMP; inhibitor; erythropoietin; thrombopoietin; interleukin 1;
KW cytotoxic T cell lymphocyte antigen 4; tumour necrosis factor;
KW vascular endothelial growth factor; matrix metalloproteinase;
KW asthma; thrombosis; pharmaceutical.
XX
OS Synthetic.
XX
PN WO200024782-A2.
XX
PD 04-MAY-2000.
XX
PF 25-OCT-1999; 99WO-US25044.
XX
PR 23-OCT-1998; 98US-0105371.
PR 22-OCT-1999; 99US-0428082.
XX
PA (AMGE-) AMGEN INC.
XX
PI Feige U, Liu C, Cheetham J, Boone TC;
XX
DR WPI; 2000-350702/30.
XX
PT Novel composition of matter comprising an Fc domain and
PT pharmacologically active peptides, useful for treating cancer and
PT autoimmune diseases -
XX
PS Claim 39; Page 601; 608pp; English.
XX
CC The present invention describes composition of matter (I) comprising an
CC Fc domain, pharmacologically active peptides, and linkers. Where (I) is:
CC (X1)a-F1-(X2)b, where: F1 = an Fc domain; X1 and X2 = are each
CC independently selected from -(L1)c-P1, -(L1)c-P1-(L2)d-P2,
CC -(L1)c-P1-(L2)d-P2-(L3)e-P^3, or -(L1)c-P1-(L2)d-P2-(L3)e-P3-(L4)f-P4
CC where P1, P2, P3, and P4 = are each independently sequences of
CC pharmacologically active peptides; L1, L2, L3, and L4 = are each
CC independently linkers; and a, b, c, d, e, and f = are each independently
CC 0 or 1, provided that at least 1 of a and b is 1. The composition can
CC have cytostatic, antiasthmatic, thrombolytic and immunosuppressive
CC activities. DNAs, vectors and host cells from the present invention can
CC be used for producing pharmaceutical compositions. The compositions are
CC useful for treating cancer, asthma, thrombosis, or autoimmune diseases.
CC The use of an Fc domain (rather than a Fab domain) can provide a longer
CC half-life or incorporate functions such as Fc receptor binding, protein
CC A binding, complement fixation, and possibly placental transfer. AAA69443
CC to AAA69526 and AAB16955 to AAB18003 represent nucleotide and amino acid
CC sequences used in the exemplification of the present invention.
XX
SQ Sequence 10 AA;

Query Match 83.3%; Score 55; DB 21; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0052;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATLRVYKGG 10
||||||||||
Db 1 CATLRVYKGG 10

RESULT 3
AAY69274
ID AAY69274 standard; peptide; 10 AA.
XX
AC AAY69274;
XX
DT 30-MAY-2000 (first entry)
XX
DE Peptide which inhibits anti-beta-2-glycoprotein 1 antibodies.
XX
KW Anti-beta-2-glycoprotein 1 antibody; anti-B2GPI antibody;
KW anti-phospholipid syndrome; anti-phospholipid antibody;
KW pregnancy complication; thrombosis; coagulation dysregulation.
XX
OS Synthetic.
XX
PN WO200001729-A2.
XX
PD 13-JAN-2000.
XX
PF 06-JUL-1999; 99WO-IL00366.
XX
PR 07-JUL-1998; 98IL-0125262.
XX
PA (YEDA) YEDA RES & DEV CO LTD.
XX
PI Blank M, Cabilly S, Shoenfeld Y, Katchalski-Katzir E;
XX
DR WPI; 2000-182105/16.
XX
PT Novel synthetic peptides that inhibit anti-beta-2-glycoprotein 1
PT antibodies, useful for diagnosis and treatment of anti-phospholipid
PT syndrome in humans -
XX
PS Claim 5; Page 38; 58pp; English.
XX
CC The present sequence represents a synthetic peptide which is capable
CC of inhibiting the biological activity of anti-beta-2-glycoprotein 1
CC (B2GPI) monoclonal antibodies in vitro and of inhibiting in vivo
CC induction of experimental anti-phospholipid syndrome in mice by
CC anti-B2GPI monoclonal antibodies. The peptides are used for diagnosis
CC and treatment of anti-phospholipid syndrome. They may also be used
CC for the diagnosis of anti-phospholipid antibodies with different
CC pathogenic biofunctions which may correlate with either pregnancy
CC complications, thrombosis or coagulation dysregulation.
XX

SQ Sequence 10 AA;

Query Match 83.3%; Score 55; DB 21; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0052;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATLRVYKGG 10
||||||||||
Db 1 CATLRVYKGG 10

RESULT 4
ABB73367
ID ABB73367 standard; Peptide; 10 AA.
XX
AC ABB73367;
XX
DT 05-APR-2002 (first entry)
XX
DE Exemplary pharmacologically active peptide SEQ ID NO:1106.
XX
KW Modified peptide; mimetic; Fc domain; fusion; immunoglobulin G; IgG;
KW EPO; erythropoietin; TPO; tumour necrosis factor alpha inhibitor;
KW TNF-alpha inhibitor; interleukin 1 antagonist; IL-1 antagonist; TMP;
KW TPO mimetic peptide; EPO mimetic peptide; EMP; VEGF antagonist;
KW MMP inhibitor; antiinflammatory; antitumour; immunosuppressive;
KW cytostatic; antirheumatic; antiarthritic; antidiabetic; ophthalmological;
KW antianaemic; anorectic; antiinfertility; haemostatic; dermatological;
KW neuroprotective; inflammatory disease; autoimmune disease; tumour growth;
KW cancer; rheumatoid arthritis; diabetic retinopathy; infertility; obesity;
KW sleep disorder; neurological degenerative disease; anaemia;
KW thrombocytopaenia; metastatic tumour; systemic lupus erythematosus;
KW Fanconi's syndrome.
XX
OS Synthetic.
XX
PN WO200183525-A2.
XX
PD 08-NOV-2001.
XX
PF 02-MAY-2001; 2001WO-US14310.
XX
PR 03-MAY-2000; 2000US-0563286.
XX
PA (AMGE-) AMGEN INC.
XX
PI Feige U, Liu C, Cheetham JC, Boone TC, Gudas JM;
XX
DR WPI; 2002-130313/17.
XX
PT Novel vehicle-peptide molecule or its multimers useful for treating
PT inflammatory and autoimmune diseases, cancer, rheumatoid arthritis,
PT diabetic retinopathy, obesity, sleep disorders and infertility -
XX
PS Claim 39; Page 62; 176pp; English.
XX
CC The present invention describes a vehicle-peptide molecule (I) or its
CC multimers. (I) can have antiinflammatory, antitumour, immunosuppressive,
CC cytostatic, antirheumatic, antiarthritic, antidiabetic, ophthalmological,
CC antianaemic, anorectic, antiinfertility, haemostatic, dermatological and
CC neuroprotective activities. (I) can be used as a therapeutic or
CC prophylactic agent as well as for screening purposes. (I) is useful for
CC diagnosing diseases characterised by dysfunction of their associated
CC protein of interest, for identifying normal or abnormal proteins of
CC interest, as a part of diagnostic kit to detect the presence of their
CC proteins of interest in a biological sample. Additionally, (I) is useful
CC for treating inflammatory and autoimmune diseases, tumour growth, cancer,
CC rheumatoid arthritis, diabetic retinopathy, obesity, sleep disorders,
CC infertility, and neurological degenerative diseases. (I), comprising
CC EPO-mimetic compounds are useful for treating disorders characterised by
CC low red blood cell levels such as anaemia. The TPO-mimetic comprising
CC compounds are useful for treating conditions that involve an existing
CC megakaryocyte/platelet deficiency or an expected megakaryocyte/platelet
CC deficiency, such as thrombocytopaenia, aplastic anaemia, metastatic
CC tumour which result in thrombocytopaenia, systemic lupus erythematosus,
CC and Fanconi's syndrome. ABB72403 to ABB73426 and ABL35695 to ABL35777
CC represent amino acid and nucleic acid sequences used in the
CC exemplification of the present invention.
XX
SQ Sequence 10 AA;

Query Match 83.3%; Score 55; DB 23; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0052;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATLRVYKGG 10
||||||||||
Db 1 CATLRVYKGG 10

RESULT 5
AAB17995
ID AAB17995 standard; Peptide; 9 AA.
XX
AC AAB17995;
XX
DT 31-OCT-2000 (first entry)
XX
DE Membrane-transporting peptide sequence SEQ ID NO:1107.
XX
KW Modified peptide; therapeutic agent; fusion; Fc domain; cancer;
KW autoimmune disease; cytostatic; antiasthmatic; thrombolytic; VEGF;
KW immunosuppressive; EPO; TPO; CTLA4; mimetic; IL-1; TNF; antagonist;
KW MMP; inhibitor; erythropoietin; thrombopoietin; interleukin 1;
KW cytotoxic T cell lymphocyte antigen 4; tumour necrosis factor;
KW vascular endothelial growth factor; matrix metalloproteinase;
KW asthma; thrombosis; pharmaceutical.
XX
OS Synthetic.
XX
PN WO200024782-A2.
XX
PD 04-MAY-2000.
XX
PF 25-OCT-1999; 99WO-US25044.
XX
PR 23-OCT-1998; 98US-0105371.
PR 22-OCT-1999; 99US-0428082.
XX
PA (AMGE-) AMGEN INC.
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PI Feige U, Liu C, Cheetham J, Boone TC;
XX
DR WPI; 2000-350702/30.
XX
PT Novel composition of matter comprising an Fc domain and
PT pharmacologically active peptides, useful for treating cancer and
PT autoimmune diseases -
XX
PS Claim 39; Page 601; 608pp; English.
XX
CC The present invention describes composition of matter (I) comprising an
CC Fc domain, pharmacologically active peptides, and linkers. Where (I) is:
CC (X1)a-F1-(X2)b, where: F1 = an Fc domain; X1 and X2 = are each
CC independently selected from -(L1)c-P1, -(L1)c-P1-(L2)d-P2,
CC -(L1)c-P1-(L2)d-P2-(L3)e-P^3, or -(L1)c-P1-(L2)d-P2-(L3)e-P3-(L4)f-P4
CC where P1, P2, P3, and P4 = are each independently sequences of
CC pharmacologically active peptides; L1, L2, L3, and L4 = are each
CC independently linkers; and a, b, c, d, e, and f = are each independently
CC 0 or 1, provided that at least 1 of a and b is 1. The composition can
CC have cytostatic, antiasthmatic, thrombolytic and immunosuppressive
CC activities. DNAs, vectors and host cells from the present invention can
CC be used for producing pharmaceutical compositions. The compositions are
CC useful for treating cancer, asthma, thrombosis, or autoimmune diseases.
CC The use of an Fc domain (rather than a Fab domain) can provide a longer
CC half-life or incorporate functions such as Fc receptor binding, protein

CC A binding, complement fixation, and possibly placental transfer. AAA69443
CC to AAA69526 and AAB16955 to AAB18003 represent nucleotide and amino acid
CC sequences used in the exemplification of the present invention.
XX
SQ Sequence 9 AA;

Query Match 69.7%; Score 46; DB 21; Length 9;
Best Local Similarity 100.0%; Pred. No. 9.3e+05;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 ATLRVYKGG 10
||||||||| |
Db 1 ATLRVYKGG 9

RESULT 6
ABB73366
ID ABB73366 standard; Peptide; 9 AA.
XX
AC ABB73366;
XX
DT 05-APR-2002 (first entry)
XX
DE Exemplary pharmacologically active peptide SEQ ID NO:1105.
XX
KW Modified peptide; mimetic; Fc domain; fusion; immunoglobulin G; IgG;
KW EPO; erythropoietin; TPO; tumour necrosis factor alpha inhibitor;
KW TNF-alpha inhibitor; interleukin 1 antagonist; IL-1 antagonist; TMP;
KW TPO mimetic peptide; EPO mimetic peptide; EMP; VEGF antagonist;
KW MMP inhibitor; antiinflammatory; antitumour; immunosuppressive;
KW cytostatic; antirheumatic; antiarthritic; antidiabetic; ophthalmological;
KW antianaemic; anorectic; antiinfertility; haemostatic; dermatological;
KW neuroprotective; inflammatory disease; autoimmune disease; tumour growth;
KW cancer; rheumatoid arthritis; diabetic retinopathy; infertility; obesity;
KW sleep disorder; neurological degenerative disease; anaemia;
KW thrombocytopaenia; metastatic tumour; systemic lupus erythematosus;
KW Fanconi's syndrome.
XX
OS Synthetic.
XX
PN WO200183525-A2.
XX
PD 08-NOV-2001.
XX
PF 02-MAY-2001; 2001WO-US14310.
XX
PR 03-MAY-2000; 2000US-0563286.
XX
PA (AMGE-) AMGEN INC.
XX
PI Feige U, Liu C, Cheetham JC, Boone TC, Gudas JM;
XX
DR WPI; 2002-130313/17.
XX
PT Novel vehicle-peptide molecule or its multimers useful for treating
PT inflammatory and autoimmune diseases, cancer, rheumatoid arthritis,
PT diabetic retinopathy, obesity, sleep disorders and infertility -
XX
PS Claim 39; Page 62; 176pp; English.
XX
CC The present invention describes a vehicle-peptide molecule (I) or its
CC multimers. (I) can have antiinflammatory, antitumour, immunosuppressive,
CC cytostatic, antirheumatic, antiarthritic, antidiabetic, ophthalmological,
CC antianaemic, anorectic, antiinfertility, haemostatic, dermatological and
CC neuroprotective activities. (I) can be used as a therapeutic or
CC prophylactic agent as well as for screening purposes. (I) is useful for
CC diagnosing diseases characterised by dysfunction of their associated
CC protein of interest, for identifying normal or abnormal proteins of
CC interest, as a part of diagnostic kit to detect the presence of their
CC proteins of interest in a biological sample. Additionally, (I) is useful
CC for treating inflammatory and autoimmune diseases, tumour growth, cancer,
CC rheumatoid arthritis, diabetic retinopathy, obesity, sleep disorders,
CC infertility, and neurological degenerative diseases. (I), comprising
CC EPO-mimetic compounds are useful for treating disorders characterised by
CC low red blood cell levels such as anaemia. The TPO-mimetic comprising
CC compounds are useful for treating conditions that involve an existing
CC megakaryocyte/platelet deficiency or an expected megakaryocyte/platelet
CC deficiency, such as thrombocytopaenia, aplastic anaemia, metastatic
CC tumour which result in thrombocytopaenia, systemic lupus erythematosus,
CC and Fanconi's syndrome. ABB72403 to ABB73426 and ABL35695 to ABL35777
CC represent amino acid and nucleic acid sequences used in the
CC exemplification of the present invention.
XX
SQ Sequence 9 AA;

Query Match 69.7%; Score 46; DB 23; Length 9;
Best Local Similarity 100.0%; Pred. No. 9.3e+05;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 ATLRVYKGG 10
||||||||| |
Db 1 ATLRVYKGG 9

RESULT 7
AAU46530
ID AAU46530 standard; Protein; 112 AA.
XX
AC AAU46530;
XX
DT 27-FEB-2002 (first entry)
XX
DE Propionibacterium acnes immunogenic protein #7426.
XX
KW SAPHO syndrome; synovitis; acne; pustulosis; hypertosis; osteomyelitis;
KW uveitis; endophthalmitis; bone; joint; central nervous system; ELISA;
KW inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay;
KW dermatological; osteopathic; neuroprotectant.
XX
OS Propionibacterium acnes.
XX
PN WO200181581-A2.
XX
PD 01-NOV-2001.
XX
PF 20-APR-2001; 2001WO-US12865.
XX
PR 21-APR-2000; 2000US-199047P.
PR 02-JUN-2000; 2000US-208841P.
PR 07-JUL-2000; 2000US-216747P.
XX
PA (CORI-) CORIXA CORP.
XX
PI Skeiky YAW, Persing DH, Mitcham JL, Wang SS, Bhatia A;
PI L'maisonneuve J, Zhang Y, Jen S, Carter D;
XX
DR WPI; 2001-616774/71.
DR N-PSDB; AAS59534.
XX
PT Propionibacterium acnes polypeptides and nucleic acids useful for
PT vaccinating against and diagnosing infections, especially useful for
PT treating acne vulgaris -
XX
PS Example 1; SEQ ID No 7725; 1069pp; English.
XX
CC Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic
CC polypeptides. The proteins and their associated DNA sequences are used in
CC the treatment, prevention and diagnosis of medical conditions caused by
CC P. acnes. The disorders include SAPHO syndrome (synovitis, acne,
CC pustulosis, hypertosis and osteomyelitis), uveitis and endophthalmitis.
CC P. acnes is also involved in infections of bone, joints and the central
CC nervous system, however it is particularly involved in the inflammatory
CC lesions associated with acne vulgaris. A method for detecting the
CC presence or absence of P. acnes in a patient comprises contacting a
CC sample with a binding agent that binds to the proteins of the invention
CC and determining the amount of bound protein in the sample. The

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CC   polypeptides may be used as antigens in the production of antibodies
CC   specific for P. acnes proteins. These antibodies can be used to
CC   downregulate expression and activity of P. acnes polypeptides and
CC   therefore treat P. acnes infections. The antibodies may also be used as
CC   diagnostic agents for determining P. acnes presence, for example, by
CC   enzyme linked immunosorbent assay (ELISA).
CC   Note: The sequence data for this patent did not form part of the printed
CC   specification, but was obtained in electronic format directly from WIPO
CC   at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ   Sequence   112 AA;

  Query Match             57.6%;  Score 38;  DB 22;  Length 112;
  Best Local Similarity   63.6%;  Pred. No. 58;
  Matches    7;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          1 CATLRVYKGGG 11
              |:|||||:  |
Db         37 CSTLRVYEPTG 47


RESULT 8
AAG07912
ID   AAG07912 standard; Protein; 266 AA.
XX
AC   AAG07912;
XX
DT   17-OCT-2000  (first entry)
XX
DE   Arabidopsis thaliana protein fragment SEQ ID NO: 5244.
XX
KW   Protein identification; signal transduction pathway; metabolic pathway;
KW   hybridisation assay; genetic mapping; gene expression control; promoter;
KW   termination sequence.
XX
OS   Arabidopsis thaliana.
XX
PN   EP1033405-A2.
XX
PD   06-SEP-2000.
XX
PF   25-FEB-2000; 2000EP-0301439.
XX
PR   25-FEB-1999;   99US-0121825.
PR   05-MAR-1999;   99US-0123180.
PR   09-MAR-1999;   99US-0123548.
PR   23-MAR-1999;   99US-0125788.
PR   25-MAR-1999;   99US-0126264.
PR   29-MAR-1999;   99US-0126785.
PR   01-APR-1999;   99US-0127462.
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KW termination sequence.
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Query Match 57.6%; Score 38; DB 21; Length 283;
Best Local Similarity 53.8%; Pred. No. 1.6e+02;
Matches 7; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

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KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.
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PR 28-OCT-1999; 99US-0161992.
PR 28-OCT-1999; 99US-0161993.
PR 29-OCT-1999; 99US-0162142.

Query Match 57.6%; Score 38; DB 21; Length 333;
Best Local Similarity 53.8%; Pred. No. 1.8e+02;
Matches 7; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

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Qy          1 CATLRVYKGGGXA 13
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Db        181 CAFLSIYQVGGAA 193
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RESULT 13
AAG43153
ID AAG43153 standard; Protein; 333 AA.
XX
AC AAG43153;
XX
DT 18-OCT-2000 (first entry)
XX
DE Arabidopsis thaliana protein fragment SEQ ID NO: 53904.
XX
KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.
XX

OS Arabidopsis thaliana.
XX
PN EP1033405-A2.
XX
PD 06-SEP-2000.
XX
PF 25-FEB-2000; 2000EP-0301439.
XX
PR 25-FEB-1999; 99US-0121825.
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PR 26-AUG-1999; 99US-0150884.
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PR 27-AUG-1999; 99US-0151080.
PR 30-AUG-1999; 99US-0151303.
PR 31-AUG-1999; 99US-0151438.
PR 01-SEP-1999; 99US-0151930.
PR 07-SEP-1999; 99US-0152363.
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PR 22-OCT-1999; 99US-0160981.
PR 22-OCT-1999; 99US-0160989.
PR 25-OCT-1999; 99US-0161404.
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PR 26-OCT-1999; 99US-0161361.
PR 28-OCT-1999; 99US-0161920.
PR 28-OCT-1999; 99US-0161992.
PR 28-OCT-1999; 99US-0161993.
PR 29-OCT-1999; 99US-0162142.

Query Match 57.6%; Score 38; DB 21; Length 333;
Best Local Similarity 53.8%; Pred. No. 1.8e+02;
Matches 7; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

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Qy          1 CATLRVYKGGGXA 13
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Db        181 CAFLSIYQVGGAA 193
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RESULT 14
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ID ABG29513 standard; Protein; 55 AA.
XX
AC ABG29513;
XX
DT 18-FEB-2002 (first entry)
XX
DE Novel human diagnostic protein #29504.
XX
KW Human; chromosome mapping; gene mapping; gene therapy; forensic;
KW food supplement; medical imaging; diagnostic; genetic disorder.
XX
OS Homo sapiens.
XX
PN WO200175067-A2.
XX
PD 11-OCT-2001.
XX
PF 30-MAR-2001; 2001WO-US08631.
XX

PR 31-MAR-2000; 2000US-0540217.
PR 23-AUG-2000; 2000US-0649167.
XX
PA (HYSE-) HYSEQ INC.
XX
PI Drmanac RT, Liu C, Tang YT;
XX
DR WPI; 2001-639362/73.
DR N-PSDB; AAS93700.
XX
PT New isolated polynucleotide and encoded polypeptides, useful in
PT diagnostics, forensics, gene mapping, identification of mutations
PT responsible for genetic disorders or other traits and to assess
PT biodiversity -
XX
PS Claim 20; SEQ ID No 59872; 103pp; English.
XX
CC The invention relates to isolated polynucleotide (I) and
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome
CC and gene mapping, and in recombinant production of (II). The
CC polynucleotides are also used in diagnostics as expressed sequence tags
CC for identifying expressed genes. (I) is useful in gene therapy techniques
CC to restore normal activity of (II) or to treat disease states involving
CC (II). (II) is useful for generating antibodies against it, detecting or
CC quantitating a polypeptide in tissue, as molecular weight markers and as
CC a food supplement. (II) and its binding partners are useful in medical
CC imaging of sites expressing (II). (I) and (II) are useful for treating
CC disorders involving aberrant protein expression or biological activity.
CC The polypeptide and polynucleotide sequences have applications in
CC diagnostics, forensics, gene mapping, identification of mutations
CC responsible for genetic disorders or other traits to assess biodiversity
CC and to produce other types of data and products dependent on DNA and
CC amino acid sequences. ABG00010-ABG30377 represent novel human
CC diagnostic amino acid sequences of the invention.
CC Note: The sequence data for this patent did not appear in the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 55 AA;

Query Match 56.1%; Score 37; DB 22; Length 55;
Best Local Similarity 70.0%; Pred. No. 41;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 ATLRVYKGGG 11
| ||| |||
Db 12 AVFRVYPGGG 21

RESULT 15
ABU70842
ID ABU70842 standard; Protein; 206 AA.
XX
AC ABU70842;
XX
DT 10-JUN-2003 (first entry)
XX
DE Human adipocyte Selected Interacting domain, SID, #473.
XX
KW Human; prey; adipocyte; SID; selected interacting domain;
KW anorectic; antidiabetic; protein-protein interaction; diabetes;
KW yeast 2-hybrid assay; metabolic disorder; obesity.
XX
OS Homo sapiens.
XX
PN WO200286122-A2.
XX
PD 31-OCT-2002.
XX
PF 14-MAR-2002; 2002WO-EP03768.
XX
PR 14-MAR-2001; 2001US-275734P.
XX
PA (HYBR-) HYBRIGENICS.
XX
PI Legrain P, Daviet L;
XX
DR WPI; 2003-103412/09.
DR N-PSDB; ACA57386.
XX
PT New complex between two interacting proteins in adipocyte cells, useful
PT for identifying selected interacting domains that modulate protein
PT interactions, or for preventing or treating metabolic disorders such as
PT obesity or diabetes -
XX
PS Claim 6; Page 266-267; 382pp; English.
XX
CC The invention relates to a complex between two interacting proteins in
CC adipocyte cells, given in the specification. The proteins are identified
CC by selecting a bait protein from a known adipocyte marker and then
CC performing a yeast 2-hybrid selection to isolate prey proteins encoded by
CC members of an adipocyte cDNA library. The proteins are designated SID
CC (RTM) (selected interacting domains) proteins. Also included are a
CC polynucleotide encoding a polypeptide in the adipocyte cells, a
CC recombinant host cell expressing at least one of the interacting
CC polypeptides of the complex, selecting a modulating compound in adipocyte
CC cells, a SID (RTM)) polypeptide comprising any of the 738 amino acid
CC sequences given in the specification (including its fragment or variant),
CC a SID (RTM) polynucleotide comprising any of the 738 nucleotide sequences
CC given in the specification (including its fragment or variant), a vector
CC comprising the SID (RTM) polynucleotide, a recombinant host cell
CC comprising the vector, a protein chip comprising the polypeptides and
CC a record comprising all or part of the data, listed in the specification.
CC The complex, polypeptides, polynucleotides and compounds are
CC useful for preventing or treating metabolic disorders such as obesity
CC or diabetes. The polynucleotides are useful as probes or primers. The
CC complex is particularly useful for identifying selected interacting
CC domains (SID (RTM)) for screening drugs that modulate the protein
CC interaction, thus exhibiting the therapeutic effect. The present
CC sequence represents a SID (prey) protein of the invention.
XX
SQ Sequence 206 AA;

Query Match 56.1%; Score 37; DB 24; Length 206;
Best Local Similarity 60.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CATLRVYKGG 10
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Db 17 CAVMRVHAGG 26

Search completed: August 28, 2003, 18:34:29
Job time : 40.1818 secs